

ABSTRACT

[0047] There is provided an infrared receiving unit which has an infrared receiver for receiving infrared signals and a transmitter search facility for carrying out an infrared transmitter search. Such an infrared receiving unit can be suitably used in an infrared headphone/hearing aid, a mobile terminal or an interpretation and conference system in order to correspondingly permit an IR search. With such a headphone/hearing aid different systems based on different modulation frequencies can be combined with each other so that the headphones/hearing aids can be used with other systems in a compatible and universal manner.